## FIELD STUDIES FOR TESTING AND REFINING ATMOSPHERIC DISPERSION MODELS

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## **OBJECTIVES:**

- 1. Gather field data over full range of transport scales.
- 2. Identify processes governing dispersion.
- 3. Provide guidance for validation experiment.

## **APPROACH:**

- 1. Add downtown experiment to existing DOE urban to regional-scale field experiment.
- 2. Conduct 5 intensive meteorological/tracer experiments in SLC during October 2000.
- 3. Archive and provide data for model efforts.
- 4. Analyze data and prepare paper.

## FY2000 TASKS:

- 1. Analyze existing meteorological data.
- 2. Design field experiment and obtain site permissions.
- 3. Prepare and procure equipment.
  32 PFT samplers; 3 weather stations;
  3 sonic anemometers; 24 portable temperature loggers.







